



STANLEY ANDERSON, RIGHT, SON OF J. B. PADGETT, PROCESS MAINTENANCE, and a high school classmate, Carl Helrich, son of a construction firm official, collaborated to bring in a first prize exhibit in the Oak Ridge High School Science Fair with this Physical Science Division entry on Solid Fuel Rockets. They are holding a model of the rocket they designed, constructed and fired 700 feet into the air in Oak Ridge recently. More pictures on Page 4.



THIS WELL-DESIGNED AND THOUGHT-OUT Biological Science entry, Hirudin, the Neglected Anti-Coagulant, by Sandra Whitten, high school junior class daughter of J. A. Whitten, Z Area, won her a second place award in the Oak Ridge High School Science Fair. Miss Whitten won a third place last year and also took a second award two years ago.



JIM WHITTEN, SANDRA'S BROTHER, ALSO WON A second place award in the Junior Division of the Oak Ridge High School Science Fair with his interesting display of Products of the Cotton Seed. Jim, a pupil at Robertsville Junior High School, was a first place prize winner in the fair last year.

UCC Stockholders Told Conditions Will Not Hamper Long-Range Growth

Corporation Proceeding With Plants Expansion; Many New Products Grow In Production In 1957

Stockholders of Union Carbide Corporation were told at the annual meeting last week that the management of the Corporation feels present conditions represent a short-term readjustment which does not affect to an important extent the long-range growth of industry in this country, or the long-range growth of Union Carbide.

Morse G. Dial, president, said that the advantages that accrue to Union Carbide as a supplier of basic raw materials to fast-growing segments of industry also impose certain obligations. "If we are to participate in their growth and expansion," he said, "we must equip to take care of their needs."

Sales At Constant Level

Sales of Union Carbide have held at a constant level since the sharp drop in November last year, President Dial pointed out. Union Carbide now has plant capacity which, at present prices, could support sales of approximately \$1.7 billion a year. First-quarter sales, which are estimated at approximately \$294,000,000, represent only about two-thirds of the Corporation's total productive capacity. This was a decrease of approximately 16 per cent from sales for the same period a year ago, which amounted to \$351,000,000.

Net income for the first quarter is estimated at about 70 cents a share, as compared with \$1.18 a share for the first quarter of 1957. Directors, however, at their last dividend meeting on April 9 declared the usual 90 cents dividend payable June 2.

Plant Construction Planned

Sales of many of the Corporation's products in the first quarter were equal or nearly equal to first-quarter sales a year ago. This was true of chemicals, plastics, industrial gases, and consumer products. It is in these areas that the Corporation is continuing to expand production facilities.

After reviewing major construction projects, the Board of Directors

Insurance Dividend Payments Set Friday

\$329,000 To Be Divided By Carbide Employees

More than \$329,000 will be divided among Union Carbide Nuclear Company employees at its three Oak Ridge plants and laboratories on Friday of this week, April 25, when insurance dividend checks will be delivered to all employees at the Y-12 Plant, Oak Ridge Gaseous Diffusion Plant and the Oak Ridge National Laboratory covered by the Company's Group Insurance Plan. The Group Insurance Plan dividend checks will be delivered at all regular pay points for all hourly, weekly and monthly paid employees insured under the plan.

Although many Y-12ers have their pay checks deposited directly in banks by the Company, the arrangement does not cover the dividend checks, which must be picked up at the portal pay points on Friday.

The dividend payment this year amounts to approximately 29 per cent of the premium paid by each UCNC employee during 1957 under the Group Insurance Plan. In addition to the dividend payments, Carbide employees at the Oak Ridge facilities received approximately \$1,400,000 during 1957 as benefits under provisions of the Group Insurance Plan.

\$436,000 Paid Last Year

The Group Insurance Plan dividend last year totaled \$436,000 and the additional benefits to about \$1,000,000.

Y-12ers Cooperating In Spring Clean-Up

Spotless Plant Is Aim Of Annual Observance

A Y-12 Plant Area without a spot of dust or a smear of grease and freed of rubbish and a winter's accumulation of trash is the objective of the week, being officially observed as Spring Clean-Up Week. Brooms and mops have been vigorously wielded throughout the interiors of buildings and surrounding exteriors also have been spruced up for the occasion.

The principal aim of Spring Clean-Up Week, of course, is not only to improve the appearance of the premises—but also to eliminate any accident and fire hazards that might have existed. Departmental and group crews have for the past several days been devoting themselves to "making the plant a cleaner and safer place in which to work."

Good Housekeeping Stressed

Spurred by the urging of Y-12 Plant Superintendent John P. Murray, Y-12ers and other Union

Continued on Page 4

It Is Your Responsibility—

Y-12ers Must Report Disability Absences To Exclude Sick Pay From 1958 Income Taxes

Now that income taxes have been paid for 1957—Y-12ers are reminded how they may exclude sick pay from their 1958 income tax payments.

The law allows wages received for absences because of illness or injury to be excluded from income taxes. The maximum amount that may be excluded is \$100 per week. The entire period of absence may be excluded up to the maximum if the employee is hospitalized or injured. If not, the first seven days, beginning with the first workday absent cannot be excluded.

Here are the steps taken to enable Y-12ers to exclude such pay from their income taxes—

1. On return to work from a disability absence, each Y-12er will be given a Form UCNC No. 23 by the Y-12 Medical Department, where each employee is required to check in on returning to work from an illness or injury. It is the responsibility of the employee to immediately complete and sign the employee's section

of the form and leave it with the Medical Department. This must be done for each disability incurred during the entire calendar year.

2. The Payroll Department receives the UCNC Form 23 for each employee and at the end of the year will provide the employee — along with the W-2 Forms of income earned and taxes deducted — a duplicate of the Form 23, identified as Form 24, showing the amount of the excludable wages. One copy of the Form 24 is to be attached to the income tax form with the W-2 Form and the other retained on file by the employee.

Every Y-12er should remember that it is his own responsibility to see that the Form 23 is signed and completed at the Medical Department for every disability period during the year.

Anyone wishing further information on the matter is urged to communicate with the Y-12 Insurance Department, Bldg. 9704-2, plant telephone 7382.

SAFETY SCOREBOARD

The Y-12 Plant Has Operated
125 Days Or
3,955,000 Man-Hours
(Unofficial Estimate)
Without A Disabling Injury
Through April 20
Phone 7755
For Daily Report
On Accident-Free Hours

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division Of
Union Carbide Corporation
GEORGE W. DOBBS . . . Editor

OFFICE

Post Office Box Y
Oak Ridge, Tenn.
Bldg. 9704-2 Room 228
Telephone 7751

ASM Chapter Host To Metals Meeting

Southern Conference Held In Gatlinburg

The Oak Ridge Chapter of the American Society for Metals was host for the eighth annual Southern Metals Conference held in the Graystone Hotel, Gatlinburg, the first part of this week. Representatives of the metal-working industries throughout the South and Midwest attended the meeting April 21, 22 and 23.

Featured speakers included Dr. R. A. Charpie, assistant director of Oak Ridge National Laboratory and a former Y-12er; Dr. N. J. Grant, associate professor of metallurgy, Massachusetts Institute of Technology; and G. M. Young, national president of the American Society for Metals and technical director of the Aluminum Company of Canada, Ltd.

Dr. Charpie's subject was "The Influence of Atomic Energy on Our Personal Lives." Dr. Grant reported his observations on "Russian Metallurgy," based on his recent tour of that nation. Young's topic was "The National Resources of Canada."

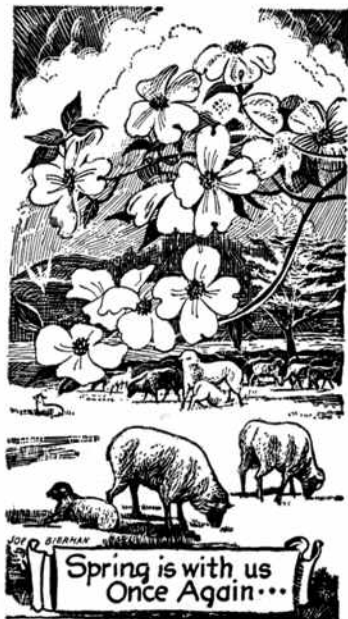
North Carolina Man To Talk At Analytical Group Meet

Dr. Charles N. Reilley, assistant professor of chemistry at the University of North Carolina, will address a meeting of the Analytical Chemistry Division of the East Tennessee Section of the American Chemical Society on Friday night of this week, April 25. The meeting will be at 8 o'clock in the cafeteria of the Robertsville Junior High School.

Dr. Reilley's subject will be "Electroanalytical Methods Using Chenols." Dr. Reilley also is secretary of the National Analytical Chemistry Division of the ACS.

TEEN-AGE TYCOONS

It is estimated that the nation's teen-agers spend about \$7,000,000,000 per year. Thirty per cent of them earn their money by baby sitting and in part time jobs, 45 per cent get allowances and 22 per cent collect from both sources.



Mrs. J. A. Williams



WILLIAMS—HAWKINS

Following their marriage on April 5 at Mars Hill, N. C., Mr. and Mrs. J. A. Williams now are at home in Knoxville. The groom is with the Y-12 Sunflower Shop. The bride is the daughter of Mr. and Mrs. Walter Hawkins, of Mars Hill, and was given in marriage by her father. The groom is the son of Mrs. B. L. Williams, Knoxville.

The bride is a graduate of the Ft. Sanders Presbyterian Hospital Nursing School in Knoxville and now is a nurse at that hospital. The groom graduated from Young High School, Knoxville.

Art Directors' Club Honors President Of Union Carbide

The Art Directors Club of New York City recently honored Morse G. Dial, President of Union Carbide Corporation with its Management Award. Union Carbide was cited "for the high standard of excellence maintained in its advertising; and for the integrated design programs conceived at Union Carbide Corporation resulting in an outstanding example of the use of graphic art to establish corporate identity." Howard S. Bunn, Executive Vice President of Union Carbide, accepted the award on behalf of President Dial, who was the sole representative from industry to be so honored.

'Profile Of Accounting' Forum Discussion Subject

"A Profile of Modern Accounting" is the theme of the sixth annual discussion forum sponsored by the Knoxville-Oak Ridge Chapter of the National Association of Accountants that opened yesterday, April 22, and which will continue with sessions April 24 and 29 and May 1. The forum is being held at the University of Tennessee School of Business Administration in Room 135 at 7 p.m. each day with a total of 12 subjects being slated for discussion. All Y-12 accountants or others interested in the discussions are cordially invited to attend the meetings.

Mineralogy Society Sets Monthly Meeting April 30

The monthly meeting of the Oak Ridge Mineralogy Society will be held Wednesday night, April 30 at 8 o'clock in Room 18, Oak Ridge Institute of Nuclear Studies Training Building. Harold Kohn, president of the society, will give an illustrated talk on "Growing Synthetic Crystals." All Y-12ers interested in mineralogy are invited to attend the session.



The Prop. & Gen. Mgr. of this department is conventioning this week with the American Association of Industrial Editors in Philadelphia, called the City of Brotherly Love—well the old Colyum Conductor loves everybody anyhow.

So the paper for April 3 will be operated by one Dan'l Culp, the Donaldson, Tenn., Flash, whose excellent work while the CC was hors du combat several weeks ago ably demonstrated his qualifications for the chore.

Meanwhile—here's what's doing around the premises—

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

General Utilities extends condolences to the M. S. Mee family—Mrs. Mee's father died recently. . . . J. L. Finchum is planning a week of fishing for his vacation this week.

L. Elsbree, Steam Plant, also is reported on a fishing foray while vacationing up about Center Hill.

INDUSTRIAL RELATIONS

Security bade farewell last week to Gwen North, who has departed these parts to be a full-time housewife.

From the Boys in Blue and Gray comes word that Super Chief W. O. Elam is vacationing on his new plantation down in Alabama sowing cotton, corn pone, black-eyed peas, succotash and other agricultural products suited to the soil. . . . Fire Dept. Capt. W. M. "Sparky" McGill spent his vacation in Operation Demolition (tearing down salvage buildings to which he fell heir). . . . Get well wishes to Guard J. T. Riddle, who has the miseries and is in the hospital in Rockwood. . . . The fishing firemen still didn't get a thing in a foray at Swan's Pond near Kingston—all ceptin' Capt. "Catfish" Emmett Moore, who thoughtfully brings back pictures to attest to his (and his boys') success.

CHEMICAL

Product Processing sends get well wishes to Kyle Arnold, C. B. Tiller and Margaret Hickey, all on the sick list last week. . . . Condolences are extended W. E. Warren, whose grandmother died recently. . . . Farewell and "good luck" were said last week to Chester Moses, who has left Oak Ridge to make his home in Tampa, Fla. . . . George McMahan qualified for the Proud Pop Club last week when a bouncing baby boy was added to the family.

Chemical Department's vacationers are E. England, Jr., in Detroit, Mich., and M. E. Thompson, accompanied by spouse, in Baton Rouge, La.

FINANCE AND MATERIALS

John Lay, SS Material Control, is spending his vacation doing spring-cleaning and house painting (again, it is asked, that's a vacation?).

Quality Control announces a new baby in the home of the George Duncan family—little Joyce Gail weighed in at eight pounds, 10 ounces on arrival April 14 in Knoxville.

Accounting and Budgets welcomes Frances Carden, transferred from Laboratory Operations of the Technical Division. . . . Phyllis Morris has left to get married and really go to work as a housewife.

Dot Connor, Plant Records, vacationed last week at home in Lenoir City.

MAINTENANCE

Research Services let L. H. Clowers get away without revealing his vacation destination. . . . However, it is known that F. M. Barnes will participate in the Third Army rifle matches at Ft. Benning, Ga., during his vacation this week. . . . B. W. Beckham is down at Cape Canaveral, Fla., and may go into orbit any minute now. . . . M. J. Dorscheid is just going

fishing and J. W. Rule plans to put out a garden at his home near Lenoir City. . . . C. W. Mason will be fishing and visiting around Tricities, Ala. . . . E. G. Seagle is back from a quiet rest at home. . . . Still on the sick list and receiving rapid recovery wishes are D. J. Wood, R. H. Gilbert, T. C. Caldwell and A. E. Morton, who are sent get well wishes. . . . Meanwhile the department welcomes H. M. Smith back after an extended illness.

Jack Taylor, of the Janitorial Department, and his wife Eastered in Cincinnati, Ohio.

Process Maintenance is congratulating J. V. Welch on the arrival of a new baby girl in the family—little Mary Diane arrived at 4:15 p.m., Saturday, April 12. . . . G. H. Young is Kansas bound for a vacation in Topeka, Parsons and Oswego. . . . Condolences are sent R. S. Manning, whose mother died recently. . . . Get well wishes are dispatched to C. M. Smith, out with an ear infection. . . . Also to the mother of S. P. Kesterson. . . . Likewise to Mary Williams' sons, Roland and Ray, injured in a recent automobile accident.

TECHNICAL

Mechanical Engineering reports Clara Hickey and hubby are spending a memorable vacation moving into their new home at Rockwood. . . . Ernie Watkins, Jr., has returned from his book studying at the University of Cincinnati for another whack at the co-op business. . . . John Gibson is welcomed back after a long illness. . . . Get well wishes go to John Thomas, out with abscessed tonsils. . . . Songs of spring are bustin' out all over with Helen McNew dyked out in a new coat, Leon Scaif making a new pair of water skis, Russ Hensley re-doing his boat into a convertible with controls outside the cabin, Barbara Pullen and others out on the lakes with rod and reel, Bill Hood, the aforesaid Hensley and Steve Adamski all in bloom with new burr haircuts (Steve's is allegedly cut to the contour of a chipped soup bowl) and John Bennett reporting termites attacking the brick walls of his home. . . . Next! The Metallurgical Development branch of Development Operations extends sympathy to Al Townsend, whose father died recently in Davenport, Iowa.

Nell Mercer, Production Assay, and her husband, Bob, spent the week end with his family in Alabama. . . . Mattie Anderson visited her parents in Virginia recently. . . . Lorene Jones also was up thataway a few days ago. . . . Annie Robinson and her husband spent their vacation with her family in South Carolina.

Special Testing is back-slapping L. G. Losh, the newest Proud Pop of the club, whose newest exemption is a baby boy. . . . Mary Gilliam is vacationing 'way out in California. . . . LaVaughn Heath and C. B. Burnette are welcomed back after long illnesses.

ALLOY

Alpha Five reports a new ground rule has been established at the Oak Ridge golf course—a one-stroke penalty for shaking a ball out of a tree (right, McNabb?). . . . P. J. Conerly is welcomed back after a recent illness. . . . S. C. Blitzblau is visiting his sisters on Long Island, N. Y., this week. . . . E. M. Elliott is vacationing at home in Kingston and may get in some fishing.

Alpha Four turns up with another Proud Pop—Frank McDonald checked in as the elated parent of a seven-pound, eight-ounce boy born April 15 at Oak Ridge Hospital.

MECHANICAL OPERATIONS

Fred Jones, Sunflower Shop, was working on his new home while vacationing last week. . . . H. E. Continued on Page 4



PICTURE OF THE MONTH for March in the Y-12 Weekly Photographic Contest was this appealing snapshot called "Waiting For Pop." It was taken by Roy Monger, Alloy Shop, with his daughter, Laurel Ann, as subject.



Get well wishes are sent the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

H. B. Milhorn, Electrical Maintenance; Edith H. Barger, Special Testing; C. N. Radford, TW Shop; J. W. Cottrell, Collex Auxiliary Operations; T. H. Coulter, Product Processing; H. L. Howell, Tools; M. L. Rice and L. S. Skeel, Alpha Four Cascade Operations.

Secretaries 'Open House' Set At Oak Terrace Tonight

Members of the Oak Ridge Chapter of the National Secretaries Association will hold an Open House at 8 o'clock tonight, Wednesday, April 23, in the Continental Room of the Oak Terrace. All secretaries in Oak Ridge, members and non-members alike, are invited to the Open House, which is being held as a part of the observance of Secretaries Week nationally all this week.

The Open House Program will include a fashion show, awarding of a \$200 secretarial scholarship to a high school student selected by the chapter's educational committee and the crowning of the chapter's "outstanding member of the year."

Physics Seminar Will Hear Talk By Brookhaven Man

Dr. Robert Nathans, of the Brookhaven National Laboratory of the Atomic Energy Commission, will speak at a regular physics seminar meeting of the Oak Ridge National Laboratory physics division on Friday afternoon of this week, April 25. The session will be held at 4 o'clock in Room 18, Oak Ridge Institute of Nuclear Studies Training Building.

Dr. Nathan will speak on "Scattering Experiments with Polarized Neutrons." All Y-12 technical and scientific personnel interested in the topic are invited to attend.

DELICIOUS DISHES SET FOR SPECIAL LUNCHES

Two delicious and calorie constructing items have been selected for main dishes on the 50-cent Special Lunches to be served at the Y-12 Cafeteria tomorrow, Thursday, April 24, and next Tuesday, April 29. For tomorrow the entree will be macaroni and cheese. On next Tuesday, an old favorite, creamed eggs and mushrooms on toast will be served. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.



THE 'HAS BEENS' TEAM, OF THE Y-12 CLASSIC LEAGUE, has been well up in the standings all season long and in the recent Y-12 Bowling Tournament posted the second best team handicap score of 3020. From left are Capt. Jack McLendon, John Reece, Bob Rutherford, Roy Roberts, Rudy Pletz and W. T. Mee. Pletz is secretary-treasurer of the league. They are holding Y-12 Tournament trophies.



Y-12 EVENING LEAGUE champions for the season just ended by the loop that rolled in Knoxville are the King Pins, above. From left are E. C. Hightower, P. W. Bullard, H. C. Huston and W. J. Hatcher. C. E. Nichols was absent when picture was made.



THE ALLEY CATS of the C Bowling League of Y-12 keglers did considerable clawing of the opposition during the past season. Seated from left are E. L. Croley, Bob Burns and C. F. Spradlin. Standing are D. R. Murphy and R. F. Knott.

Four Combos Tied For Top In Ridge Loop

Four two-man teams in the Oak Ridge Golf League for Y-12ers blasted out six-point whitewash wins over their opponents as loop play opened at the Oak Ridge links. These winners were Ratjen-Snyder, Holzknicht-Peckman, Anderson-Nichols and Speas-Cabe with victims being Mitchel-Tibbatts, Hopkins-Belvin, Taylor-Lockhart and Wallace-Patterson. Kahley-Evans trounced last year's champions, Emlet-Hines for five points and Davis-Arrowood posted a similar win over True-Kennedy. Four teams gained four-point triumphs with Stroud-Tiller beating Underwood-Shatley, Oxford-Collins downing Pletz-Roberts, Dehoney-Buckminster licking Youngblood-Gilcrease and Boyd-Oliphant defeating Whitehorn-Brown. Three-point deadlocks were recorded by Orrison-Thomson and Gambill-Hamby and Bartholomew-Smith and McLendon-Mee.

Paul Arrowood had the best scratch score of the day with 42 strokes for nine holes for a 33 handicap. I. G. Speas and Paddy Peckman tied with 42-37 each and Art Hines had a 42-40.

League standing follows:

Team	W	L
Ratjen-Snyder	6	0
Holzknicht-Peckman	6	0
Anderson-Nichols	6	0
Speas-Cabe	6	0
Kahley-Evans	5	1
Davis-Arrowood	5	1
Stroud-Tiller	4	2
Oxford-Collins	4	2
Dehoney-Buckminster	4	2
Boyd-Oliphant	4	2
Orrison-Thomson	3	3
Bartholomew-Smith	3	3
McLendon-Mee	3	3
Gambill-Hamby	3	3
Whitehorn-Brown	2	4
Youngblood-Gilcrease	2	4
Pletz-Roberts	2	4
Underwood-Shatley	2	4
True-Kennedy	1	5
Emlet-Hines	1	5
Mitchel-Tibbatts	0	6
Wallace-Patterson	0	6
Taylor-Lockhart	0	6
Hopkins-Belvin	0	6

NEW PLANT FOR VISKING

The Canadian plant at Fort Garry, Manitoba, of the Visking Corporation, a division of Union Carbide, has been placed in operation. It has started extrusion of Visking film on a limited basis.

Record Entry List Seen For Tourney

Dates For Five Y-12 Tee Parties Given

Weather permitting, a record entry list of more than 100 Y-12 golfers is expected to turn out for the first Y-12 Plant Golf Tournament of the season, to be held Saturday, May 3, at the Oak Ridge Golf and Country Club. No advance entry is needed for the event, and all that a golfer has to do to compete is to show up at the course to tee off between 8:20 a.m. and 10 a.m., when all contestants must be underway.

In addition to this tournament, dates for four other similar events were announced last week by the Recreation Department for the coming months. They are:

May 17—Deane Hill, near Knoxville.

June 28—Gatlinburg.

June 26 (tentative)—Deane Hill.

August 16—Oak Ridge.

In each of the tournaments prizes of various number of golf balls will be awarded, with 10 awards being made in each of the four divisions of entrants. The prizes will go to the first four low scratch and handicap scorers and the most and second most number of pars for 18 holes. In figuring the par scores, a birdie hole will count as two pars and an eagle three.

The division assignments will be based on handicaps of the individual players and will be obtained from the official scorer on the morning of the tournament before play starts. After all golfers have started play, one-fourth of the total number of players competing will be placed in each division, according to handicaps.

The green fee for the Oak Ridge tournament on May 3 will be \$3 per player.

Many girls are attracted by the simpler things in life—men.



A CANTANKEROUS crappie snapped eagerly at a white Hadacol lure cast into Swan Pond by John Lay, Jr., SS Control, and so became a prime contender for top honors in the Y-12 Annual Fishing Contest.

Hart Is All-Carbide Bowling Champ; Other Y-12ers Win Scratch Tally Titles

Koons-Park Are Women's Doubles Winners; Smith-Zupan Capture Top Men's Honors

Len Hart, champion bowler in the Y-12 Plant Bowling Tournament, went on to win the Union Carbide Nuclear Company all-events crown and championship in the All-Carbide tournament over the past week end. His score was a fine 1756 scratch for the route. In addition, Y-12 men and women keglers took several other scratch honors in the pin party.

Clyde Smith and Frank Zupan topped the men's doubles in scratch scoring with 1168 after Snodgrass and Gray, Oak Ridge National Laboratory, too first place handicap with 1311.

Zupan captured the men's singles crown with a 639 scratch. J. Schneider, ORNL, was handicap winner with 748.

Y-12 Women Sweep Doubles

Y-12 swept the women's doubles in both scratch and handicap scoring. Mavis Koons and Dot Park were the scratch winners with 940. Shirley Brown and Nell McGinnis took handicap honors with 1190.

Louise Eubanks used her handicap to advantage to take first place in women's all-events handicap with 1867 and also in women's singles handicap with 652. Mary Long, ORNL, was scratch champion in both these events with 1469 and 492.

In a review of the team scoring rolled during the opening of the tournament, it was revealed that the Y-12 Wolves had the best scratch score of 2715.

The men's all-events handicap honors for the tournament went to T. L. Gregory with 1940.



Len Hart



Mavis Koons



Dot Park



Frank Zupan

Softy Circuit Now Has Eight Teams On List

With two more teams added to the roster, the Y-12 Plant Softball League will open its season on Monday night, May 5, with eight clubs competing. Meanwhile, the loop membership is being held open to allow any other departments or groups who wish to do so to sign up for the popular summer sport.

The deadline for entering teams in the league is 4 p.m., Monday, April 28.

While awaiting the season's opening, the plant softballers are holding practice games at Pine-wood Park. Schedules are being arranged through the managers and the Recreation Department and team managers desiring aid in arranging such drills are asked to communicate with the Recreation Office, Room 226, Bldg. 9704-2, plant phone 7751. Every effort will be made to schedule these practice schedules to conform with shift schedules for the benefit of players working shifts.

The two new teams joining the circuit last week were the Whiz Kids with J. D. Collins as manager; and the Rebels, with F. L. Teno as pilot.

The other six teams previously signed up and their managers are the Early Birds, R. E. Gibson; C Shift, T. A. Ticca; Reactors, Harley Law; Fat Boys, Gib Hatmaker; Engineers, J. W. Foresman; and Cubs, J. C. Kendrick.

Dot Park, Partner Win Knox Doubles

Dot Park, the Y-12 woman championship bowler in the recent plant tournament, won the Knoxville feminine doubles title in that city's Woman's City Handicap Tournament at the Magnolia Lanes April 12-13. Teaming up with Eleanor Shattuck, the Y-12 champ and her partner posted a 1220 handicap score for the event.

Mavis Koons, who rolled with

Bumpers Take Lead In Classic Circuit

The Bumpers bounced into undisputed possession of first place in the Classic League of Y-12 bowlers last Thursday night by blasting the Cubs for three points while the Rebels, previously tied for the top spot, were walloped by the Wolves for a four-point whitewash loss. The Swingsters swung into a tie for second place by trimming the All Stars for three and the Rippers pushed the Has Beens down the ladder a couple of rungs by taking a similar decision. In other matches the Wasps stung the Screwballs for four points and the Tigers twisted the tails of the Playboys for three.

In climbing to third place, the Wolves swept all team scoring honors with a 940 scratch and 1068 handicap game, 2609 scratch and 2966 handicap series. J. D. Davis, Wasps, had the best single game scores with 232 scratch, boosted to 260 with handicap. Frank Zupan, Bumpers, rolled a 590 scratch series and Bob Olson, Wolves, a 676 handicap series for tops of the night.

Team	W	L
Bumpers	28	12
Rebels	25	15
Swingsters	25	15
Wolves	24	16
Has Beens	23	17
Rippers	22	18
Tigers	20	20
Wasps	18	22
All Stars	17	23
Playboys	14	26
Screwballs	12	28
Cubs	12	28

Dot in women's doubles in the All-Carbide tournament last week end in Oak Ridge, finished in fifth place in the Knoxville event's all-events with a score of 1773.

UCNC Table Tennis Tourney Is Planned

Y-12 table tennis players—both men and women—are invited to enter an All Carbide tournament to be held at the Jefferson Junior High School on Friday of this week, April 25; and again on the following Friday, May 2. Those interested are asked to communicate at once with the Recreation Office, Room 226, Bldg. 9704-2, plant phone 7751.

Play will begin each night at 7 o'clock. The action has been divided into two nights to provide an opportunity for shift workers to participate. Men will compete in both a novice and open division, while women all will be placed in one division.

Equipment will be provided at the place of the tournament.

10 Years Service

Congratulations to **Robert J. McAlister**, Chemical, who will complete 10 years of Company Service on April 29.

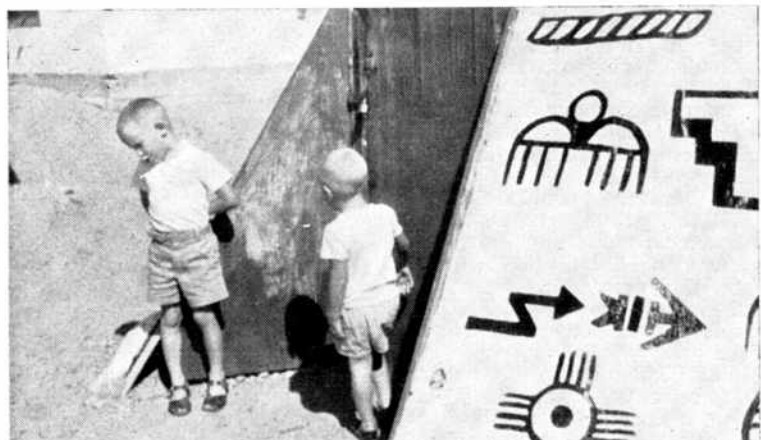
You are getting old when the gleam in your eye is from the sun hitting your bifocals.

Bulk Rate
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A REAL INDIAN TEEPEE IN THE NAVAHO Reservation in New Mexico proved fascinating to the two youngsters of Gaines Aldridge, Alpha Four, and the subject matter for the picture that took first place in the Y-12 Weekly Photographic Contest for the week ending April 18.

Long-Range Growth By UCC Not Hampered

Continued on Page 4

tion projects in the light of present-day volumes, the Corporation is proceeding with plant expansion totalling approximately \$150,000,000 during 1958. More than half or possibly 60 per cent of this expenditure will be for chemicals and plastics facilities. A substantial amount will also be spent to build additional oxygen plants.

Research Expanded Rapidly

Union Carbide has been expanding its research rapidly during the last five years, stockholders were told. During this period, the Corporation has completed or started construction of seven new major research and development laboratories and has expanded substantially the research facilities at many other locations. Research expenditures for 1958 will be at about the same level as for 1957, which were the highest in the Corporation's history.

"During 1957," President Dial said, "there were 35 new chemical products, or nearly three a month, shipped out for the first time in drum quantities. These new products found uses in polyurethane foams, pharmaceutical intermediates, metal-refining chemicals, detergent bases, plastic raw materials, agricultural chemicals, and gasoline- and oil-treating compounds. In addition, another 23 products that grew to carload or tank-car lots were used by customers to purify uranium, formulate latex paints, synthesize drugs, process foodstuffs, manufacture lubricants, and treat asphalt for roadbuilding. Several million dollars worth of these new chemicals were sold in 1957 and we look forward to their continued growth during the next few years."

Overseas Sales Increase

Earnings of affiliated overseas companies in 1957, the stockholders were told, were about 20 per cent above 1956 earnings. Sales of these foreign companies now total over one-quarter billion dollars a year.

The major operating facilities of these affiliated companies include chemical plants in England and Australia; plastics plants in England, Scotland, and Mexico; graphite electrode plants in England, France, Italy, and Sweden; alloy plants in England and Norway; calcium carbide plants in Norway,



"BABY AND BOWLING BALL" is the title of this attractive snapshot by K. D. Thompson, Alpha Four, that took second place in the Y-12 Weekly Photographic Contest for the week ending April 18.

Brazil, and the Philippines; oxygen, acetylene, and apparatus plants in Brazil; and dry-battery and flashlight plants in 11 countries throughout the world.

The overseas companies are continuing to expand production facilities, stockholders were told, and will spend somewhere around \$40,000,000 for new plants in 1958. This is not included in the Corporation's overall construction figure of \$150,000,000 for this year, since the expenditures are largely financed from retained earnings of the individual overseas companies.

Many automobile wrecks result from the driver hugging the wrong curve.



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Cornell and his missus had as recent week-end visitors their daughter and her husband, Mr. and Mrs. Tom Wilburn, of Lexington, Ky. . . . C. L. Hawkins is welcomed back after a long spell of the miseries . . . Get well wishes are sent to H. G. Crews, ailing last week.

J. H. Oldham was warmly welcomed back by Tool Grinding and Machine Maintenance last week after a long illness . . . Still out ailing and sent get well wishes are C. F. Charpie, O. W. Breedlove, D. Griffies and R. A. Guy . . . B. W. Heath believes he will stay home while vacationing and do some hunting before it gets too hot . . . Best wishes go along with F. H. Frank, J. W. Gorenflo, H. H. Newman, H. T. Hill, H. L. Hunter and O. C. Duck—transferred to other departments on temporary work assignments.

Z Area knows where J. W. Gossage is vacationing—he's going fishing.

Springtime calls—and it is either fishing and gardening, or gardening and fishing for General Machine Shoppers . . . Pete Vines and Dudley Hall plan to combine forces and aforesaid activities at home in Oak Ridge this week . . . U. M. Oxford and Avis Collins have been huddling on ideas for fishing and golfing . . . J. C. Maples is taking a week at home in Clinton to plant a garden . . . Roscoe Cates is over in Crossville for a couple of weeks and Ray McGinnis is basing vacation activities on home in Oak Ridge . . . Bob Horton spent last week vacationing—but baby-sitting to help his wife who has just returned from a stay in St. Mary's Hospital, Knoxville . . . Russell Allstun is back from a week over at his Kingston home, during which he did some fishing . . . Frank Ragsdale was all smiles last week over the addition of a baby girl to the family—the young lady arriving April 13 at Oak Ridge Hospital, weighing six pounds, seven ounces and being named Tammy Jane.

P.S.—Any Y-12 wisecracker who 'lows as how the Philly trip by the Old CC, mentioned previously, may be a civic improvement for the plant during Spring Clean-Up Week will have his subscription cancelled pronto, immediately and forthwith.

Rides Wanted, Offered

Car pool members wanted from West Village, Oak Ridge, to Central Portal, straight day. H. A. Pohto, plant phone 7312, home phone 5-1620, Oak Ridge.

Ride wanted from 141 California Ave., Oak Ridge, to West Portal, straight day. O. T. Dunlap, plant phone 7960, home phone 5-5598, Oak Ridge.

Ride wanted or will join car pool from Karns traffic light, Oak Ridge Highway, to any portal, straight day. E. J. Delaney, plant phone 7203, home phone 8-1106, Knoxville.

Ride wanted or will join car pool from Arlington Section, North Broadway, Knoxville, to Central Portal, straight day. Glenn J. Lawson, plant phone 7009, home phone 3-2650, Knoxville.

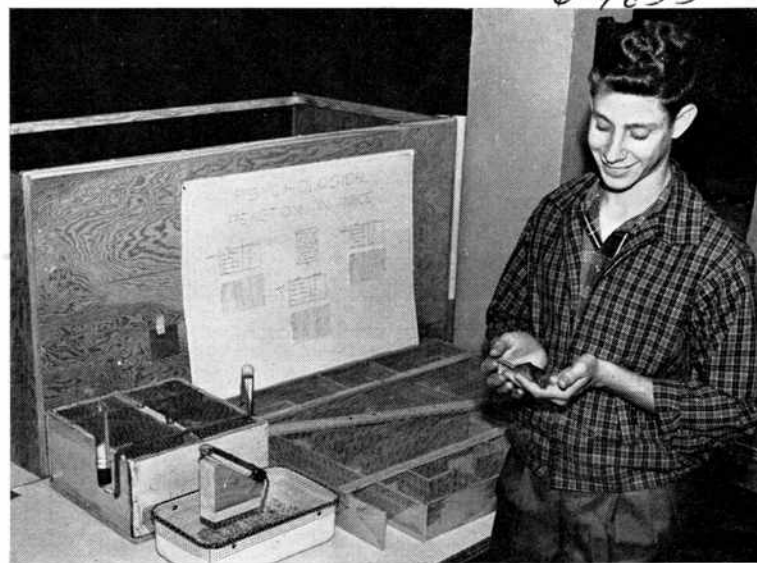
Ride wanted from Wellington Circle, Oak Ridge, to West Portal, straight day. C. A. Frazier, plant phone 7222, home phone 5-0325, Oak Ridge.

Ride wanted from Gravelton, Knox County, to any portal, H Shift. F. E. Wright, plant phone 7074, home phone MY 1-6328, Knoxville.

Ride wanted from Kroger's Store, Chapman Highway, Knoxville, to Bear Creek Portal, straight day. Barbara Thomas, plant phone 7-8209, home phone 7-0172, Knoxville.



A THOROUGH AND DETAILED EXHIBIT of Household Insect Pests by Adrian Lawler, son of R. G. Lawler, Alpha Four, took a third place award in the Biological Science division in the Oak Ridge High School Science Fair. Young Lawler won a second prize in the 1957 fair and was an exchange student from the high school last year.



ONE OF THE CERTIFICATES OF EXCELLENCE won by Y-12 youngsters in the Oak Ridge High School Science Fair was presented Steve Breman, son of Phil Breman, Industrial Engineering, for his entry on Psychological Reactions in Mice, based on a maze through which live mice "thought" their way. Other Certificates of Excellence winners included Jay Bowles, son of J. Clyde Bowles, Mechanical Inspection; and Price Foster, whose father is B. B. Foster, Sr., Mechanical Department.

Y-12ers Cooperating In Spring Clean-Up

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Carbide Nuclear Company employees in the Y-12 Plant Area have thoroughly cooperated in the Spring Clean-Up Week movement as a part of the year around safety and fire prevention program. The need of good housekeeping principles to maintain this program has been stressed at safety meetings by various departments and groups prior to the Spring Clean-Up Week observance and a large number of inspections have been held both before and during the observance in the effort to make the drive a complete success.

Sunflowers Smother Hi Balls In Roll Off

The Sunflowers team of the C Bowling League of Y-12 pin keepers won the season's runner-up honors in a roll off with the Hi Balls recently by the margin of 65 pins. The handicap score for the roll off was 2782 to 2717.

The Sunflowers took most scoring honors in the roll off. Ed Sise had a 519 scratch series scratch and 612 handicap series to pace his mates. In team scoring the Sunflowers took it all with a 772 scratch and 955 handicap game, 2250 scratch and 2782 handicap series. Jack Cox, of the Hi Balls, rolled a 200 scratch and 246 handicap game for tops in the contest.

FOREST INDUSTRY GOOD

The forest products industry of the nation accounts for about \$10,000,000,000 worth of business each year.



THE BREWSTERS STEPPED out for Easter, as shown in this picture of the family of Carl G. Brewster, Medical, with his wife, Betty, daughter, Karen, 7; and son, Bradford, 4; in their full holiday equipment—including rabbits.

NEW PRODUCT INTRODUCED

Union Carbide Chemicals Company has introduced new intermediates for urethane polymers to meet exacting demands for flexible foams. The major compound of one compound will probably be in soft foams such as clothing interliners.

